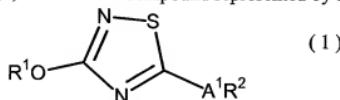


Amendments to and Listing of the Claims:

Please amend claims, without prejudice, as shown below in the following listing of all claims ever presented. The following listing of claims replaces all prior versions of the claims.

1-11. (Canceled)

12. (New) A 1,2,4-thiadiazole compound represented by the formula (1):



wherein,

R¹ represents C₃-C₇ alkynyl optionally substituted with a halogen atom;

R² represents C₃-C₈ cycloalkyl, C₅-C₈ cycloalkenyl or C₇-C₁₁ bicycloalkyl, wherein the C₃-C₈ cycloalkyl, the C₅-C₈ cycloalkenyl and the C₇-C₁₁ bicycloalkyl is optionally substituted with one or more substituents selected from the group consisting of C₁-C₄ alkyl, a halogen atom and trifluoromethyl; and

A¹ represents a single bond, C₁-C₂ alkylene or C₂-C₃ alkylidene.

13. (New) The 1,2,4-thiadiazole compound according to claim 12, wherein R² is C₃-C₈ cycloalkyl optionally substituted with C₁-C₄ alkyl.

14. (New) The 1,2,4-thiadiazole compound according to claim 12, wherein A¹ is a single bond.

15. (New) The 1,2,4-thiadiazole compound according to claim 12, wherein A¹ is C₁-C₂ alkylene.

16. (New) The 1,2,4-thiadiazole compound according to claim 12, wherein R¹ is 2-butynyl or 2-pentyne.

17. (New) An arthropod controlling composition comprising the 1,2,4-thiadiazole compound according to claim 12 and an inert carrier.

18. (New) A method for controlling arthropod pests comprising applying an effective dose of the 1,2,4-thiadiazole compound according to claim 12 to the arthropod pests or habitat of the arthropod pests.

19. (New) The 1,2,4-thiadiazole compound according to claim 13, wherein A¹ is a

single bond.

20. (New) The 1,2,4-thiadiazole compound according to claim 13, wherein A¹ is C₁-C₂ alkylene.

21. (New) The 1,2,4-thiadiazole compound according to claim 13, wherein R¹ is 2-butynyl or 2-pentynyl.

22. (New) An insect controlling composition comprising the 1,2,4-thiadiazole compound according to claim 12 and an inert carrier.

23. (New) A method for controlling insect pests comprising applying an effective dose of the 1,2,4-thiadiazole compound according to claim 12 to the insect pests or habitat of the insect pests.

24. (New) The method according to claim 23, wherein the insect pests are selected from the group consisting of Hemiptera, Lepidoptera, Diptera, Coleoptera, Thysanoptera, Hymenoptera, Dictyoptera, Orthoptera, Anoplura, and Isoptera.

25. (New) An acarine controlling composition comprising the 1,2,4-thiadiazole compound according to claim 12 and an inert carrier.

26. (New) A method for controlling acarine pests comprising applying an effective dose of the 1,2,4-thiadiazole compound according to claim 12 to the acarine pests or habitat of the acarine pests.

27. (New) The method according to claim 25, wherein the acarine pests are acarina.